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[X] Pursuant to 37 C.F.R. § 1.8, I hereby certify that this paper and all enclosures are being deposited with the United States Postal Service as first class mail on the date indicated below in an envelope addressed to the Commissioner for Patents and Trademarks, Washington D.C. 20231.

[] Pursuant to 37 C.F.R. § 1.6(d), I hereby certify that this paper and all enclosures are being sent via facsimile on the date indicated below to the attention of Box Missing Parts at Facsimile No. 703-305-7230 at _____ p.m.

Dated: February 11, 2002

Name of Person Certifying: Jocelyn L. Lee
Printed Name: Jocelyn L. Lee

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Volker SCHELLENBERGER, et al.

Assignee: GENENCOR
INTERNATIONAL, INC.

Filing Date: October 10, 2001

Examiner: Not Yet Assigned

Serial No.: 09/975,139

Group Art Unit: 1645

Title: **INFORMATION RICH LIBRARIES**

BOX MISSING PARTS

Commissioner for Patents and Trademarks
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Applicants respectfully request entry of the following preliminary amendment.

IN THE SPECIFICATION

Please insert the attached Sequence Listing at the end of the specification. Support for the amendment can be found throughout the application as filed, for example in Figures 1 and 2 and Tables 1-4. No new matter is added. A computer-readable copy and a paper copy of the identical Sequence Listing have been submitted this day under separate cover in response to a Notice to File Missing Parts.

Please replace the paragraphs at page 3 line 28 through page 4 line 4 with the following:

-- Figure 1 is a graphical representation of the relationship between a probability matrix and a constraint vector of this invention. After a probability matrix is generated, a constraint vector can be applied to the matrix to determine which amino acid substitutions will be selected to test for their effect on a desired functionality. An artificial subtilisin sequence [SEQ ID NO: 2] is depicted as being used to generate a probability matrix, which then is subjected to the application of a constraint vector. In this graphical representation, the residues for which values calculated by the matrix rise above the constraint put on by the vector are candidates for the library.